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CORRECTIONS AND EMENDATIONS

EMENDATIONS

(VOLUME 48)

Page 1477. Instead of paragraph containing equations (29) and (30), text should read:

Now we relate the stresses acting upon our elementary volume to the strains produced. (*See* Figs. 10, 11, and 12.) ϵ_x, ϵ_y and ϵ_z are the elongations; θ_{xy}, θ_{yz}, and θ_{zx} are the shears parallel to the X-Y, the Y-Z, and the Z-X planes respectively. If only the normal stress σ_x acts on the volume, σ_y and σ_z being zero, the volume stretches in the X-direction and contracts in the directions Y and Z. In this case

$$\frac{\sigma_x}{\epsilon_x} = -\nu\frac{\sigma_x}{\epsilon_y} = -\nu\frac{\sigma_x}{\epsilon_z} = E, \tag{29a}$$

where E is the modulus of elongation, or Young's modulus, and ν the ratio of the shortening in the Y- and Z-directions to the extension in the X-direction. ν is a dimensionless constant known as Poisson's ratio. Its value for nearly all materials ranges between 0.2 and 0.3.

When all three normal stresses σ_x, σ_y, and σ_z act simultaneously the observed extension parallel to each axis is the resultant of the positive elongation caused by the normal stress along that axis, and the two negative elongations due to the normal stresses along each of the other two axes. In this case

$$\frac{\sigma_x - \nu(\sigma_y+\sigma_z)}{\epsilon_x} = \frac{\sigma_y - \nu(\sigma_z+\sigma_x)}{\epsilon_y} = \frac{\sigma_z - \nu(\sigma_x+\sigma_y)}{\epsilon_z} = E. \tag{29b}$$

For the shears

$$\frac{\tau_{xy}}{\theta_{xy}} = \frac{\tau_{yz}}{\theta_{yz}} = \frac{\tau_{zx}}{\theta_{zx}} = G \tag{30}$$

where G is the modulus of rigidity.

CORRECTIONS AND EMENDATIONS

(VOLUME 49)

Contributors to Volume 49 have been invited to send corrections and emendations to be made in their paper, and the volume has been scanned with some care. Corrections and insertions are as follows:

Page 193, line 4, under explanation of Figure 2, *for* Fig. 5, *read* Fig. 4.
" 233, line 1, under description of *Emmonsaspis*, new genus, *for* portion, *read* position.
" 258, line 3, *for* P^1, *read* P'.
" " , line 8 from bottom, *for* $p\text{-}P$, *read* $p^{P\text{-}P}$.
" 261, Table 1, shock 6, delete superior figure 2 at beginning of line.
" 265, notes 27 and 31. The I. S. S. has now revised its solutions for these shocks, with results in substantial agreement with ours.
" 273, first par. These great Levantine earthquakes were discussed by Julius Schmidt (*Studien über Vulkane und Erdbeben*, Leipzig 1884); he considered them cases of abnormally deep focus.
" 345, lines 3 and 4, parentheses should contain (Eardley, 1938, Fig. 1; this report Pl. 3, figs. 1, 2).
" 640, Plate 3, figure 3, *for* movement, *read* moment.
" 684, par. 2, *for* University of Chicago, *read* University of California.

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Wellings' observations of Dead Sea structure (*With discussion by Bailey Willis*)	659–668	—	1	0.10	0.15	225
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Methods of determining refractive indices of vitrains. TERENCE T. QUIRKE and LOUIS C. MCCABE	669–682	—	2	0.10	0.15	175
Fauna from the Markley formation (Upper Eocene) on Pleasant Creek, California. BRUCE L. CLARK	683–730	4	1	0.30	0.45	125
Dating Cretaceous-Eocene tectonic movements in Big Horn Basin by heavy minerals. MARCELLUS H. STOW	731–762	2	3	0.20	0.30	175
Petrology of the contact breccias of the Chelan batholith. A. C. WATERS	763–794	5	7	0.25	0.40	175
Section across Keweenawan lavas at Duluth, Minnesota. A. E. SANDBERG	795–830	7	6	0.30	0.45	275
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Geology of the Lower Columbia River. EDWIN T. HODGE	831–930	12	25	0.80	1.20	225
Wheatland formation and its relation to Early Tertiary andesites in the Sierra Nevada. B. L. CLARK and C. A. ANDERSON	931–956	4	2	0.20	0.30	225
Working hypothesis for the physiographic history of the Rocky Mountain region. WALLACE W. ATWOOD and WALLACE W. ATWOOD, JR.	957–980	12	4	0.35	0.55	325
Origin of composite and incomplete internal moulds and their possible use as criteria of structure. JAMES S. CULLISON	981–988	1	—	0.10	0.15	175
Stratigraphic relationships of Lexington, Perryville, and Cynthiana (Trenton) rocks of central Kentucky. A. C. MCFARLAN	989–996	1	1	0.10	0.15	125

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CORRECTIONS AND EMENDATIONS

Contributors to Volume 49 have been invited to send corrections and emendations to be made in their paper, and the volume has been scanned with some care. Corrections and insertions are as follows:

Page 842, line 36, *for* westwood, *read* westward.
" 842, legend under Figure 4, *insert* formation *after* Eagle Creek.
" 877, line 37, *for* folder, *read* folded.
" 908, line 20, *for* Bretz, *read* Bretz'.
" 928, line 43, *for* Quinsy, *read* Quincy.
" 929, line 31, *for* X, *read* Ex.
" 1007, line 2, *for* illustrates, *read* illustrated (Pl. 3, fig. 1) is.
" 1056, line 2, *delete* as much.
Pages 1067-1168, throughout the paper, for *Girvinella,* read *Girvanella.*
Page 1299, line 4, *for* 1933, *read* 1932.
" 1312, Figure 3, *add* Scale: width of map 360 meters.
" 1333, last reference, *for* de, *read* der.
" 1345, Figure 2. The direction of flow is away from the reader.
" 1461, caption of Plate 6, Figure 2, *for* or, *read* of.
" 1544, Plate 1, structure section D-D', *interchange* T and A.
" 1555, title should read *Change in porosity.*
" 1558, line 27, *insert* change *after* porosity.
" 1559, line 1, *insert* change *after* porosity.
" 1562, line 23, *for* nine-tenths, *read* one-tenth.
" 1587, bottom line, *for* (Fig. 6), *read* (Pl. 5, fig. 1).
" 1587, line 7 from bottom, *after* word space, *insert* (Fig. 6).
" 1592, line 13, *for* is a, *read* this.
" 1592, line 13, *insert* is between long and underlain.
" 1620, E and I over modes refer to eye-piece micrometer and Leitz integrator respectively as instruments used in the counting.
" 1636, line 13, *for* fracture, *read* fractures.
Pages 1695-1722. In connection with the subject of differential erosion briefly discussed in this paper, the reader will find a much fuller presentation with many specific examples in a recent paper by George H. Ashley, entitled *Studies in Appalachian Mountain sculpture,* Geol. Soc. Am., Bull., vol. 46 (1935) p. 1395-1436.
Page 1865, line 17, *after* rocks, *read* along great fracture zones paralleling the range trend and its overthrusts and folds.
" 1869, line 6 (Boos), *insert* identifying *after* in.
" 1885, line 3 (Hess), *for* country, *read* century.
" 1888, line 10 (Imlay), *insert* aff. after *Exogyra.*
" 1904, line 12 (Twenhofel and Broughton), *for* 2, *read* 3.
" 1904, line 14, *for* 2, *read* 3.
" 1917, line 3, *delete* sentence beginning Stirton believes. Next sentence, *for* this, *read* the.
" 1945, *add* footnote to Bevan and Furcron abstract: Pre-Cambrian geology by junior author and Paleozoic geology and geomorphology by senior author.

Page 1952, line 14 (La Paz), *for* place, *read* places.
" 1952, line 15 (La Paz), *for* constitutes, *read* constitute.
" 1956, line 20 (Nelson), *for* post-Cretaceous, *read* pre-Cretaceous.
" 1956, line 8 (Nininger), *insert* generally *before* circular.
" 1963, line 9 (Taber), *insert* more than *before* fifty; *insert* on divides *after* feet.

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September					
Geological reconnaissance across Sierra San Pedro Mártir, Baja California. A. O. Woodford and T. F. Harriss	1297–1336	7	5	0.30	0.55
Sheetfloods and streamfloods. W. M. Davis	1337–1416	15	33	0.70	1.05
Granite in the Wind River Canyon, Wyoming. C. S. Gwynne	1417–1424	1	2	0.10	0.15
Kankakee Arch in Illinois. G. E. Ekblaw	1425–1430	..	1	0.10	0.15
Bulkley and Babine Mountains, British Columbia. F. A. Kerr	1431–1440	..	2	0.10	0.15
Contact relations between rhyolite and basalt on Gardiner River, Yellowstone Park. C. N. Fenner	1441–1484	8	2	0.40	0.60
October					
Petrology of the Pennsylvanian underclays of Illinois. R. E. Grim and Victor Allen	1485–1514	2	1	0.20	0.30
Structure of the southwest margin of the Laramie Basin, Wyoming. R. H. Beckwith	1515–1544	1	2	0.15	0.25
Adjustments in small-scale nonconcentric folding. H. W. Straley, III	1545–1568	..	10	0.10	0.15
Igneous rocks of the Crazy Mountains, Montana. J. E. Wolff	1569–1626	18	18	0.65	1.00

November	Pages	Plates	Figures	Price to Fellows	Price to Public
Geology of the rock foundation of Grand Coulee Dam, Washington. William H. Irwin	1627–1650	3	5	0.25	0.40
Studies of the Mexican geosyncline. Ralph W. Imlay	1651–1694	7	6	0.35	0.55
Recognition and significance of multiple erosion surfaces. John L. Rich	1695–1722	..	2	0.20	0.30
Experiments bearing on the orientation of quartz in deformed rocks. David Griggs and James Forbes Bell	1723–1746	3	8	0.15	0.25
December					
Stratigraphy and structure of the Malone Mountains, Texas. C. C. Albritton, Jr.	1747–1806	9	5	0.50	0.75
Correlatives of the Grenville series. G. W. Bain	1807–1828	..	2	0.10	0.15
Welded tuff in eastern California. C. M. Gilbert	1829–1862	3	2	0.25	0.40

Proceedings

General Statement

Beginning with Volume 45, the Proceedings of the annual meeting are published as a separate volume, containing the business of the meeting, the reports of standing committees, the abstracts of papers presented, and the memorials to deceased members. Copies of the Proceedings are sent to Fellows, Correspondents, subscribers, and exchanges, without charge.

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1934, published 1935	477	19	..	1200
1935, published 1936	483	19	1	1200
1936, published 1937	433	16	..	1300
1937, published 1938	388	9	3	1300

Brochures of 1937 Proceedings

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Possible Program of Research in Geology. N. M. Fenneman, T. W. Vaughan, N. L. Bowen, A. L. Day	143–156	..	225
Memorial of William Henry Collins. T. T. Quirke	157–168	1	75
Memorial of Albert Heim. Maurice Lugeon	169–172	1	75
Memorial of Frederick B. Loomis. Walter Granger	173–181	1	75
Memorial of Hiram D. McCaskey. H. G. Ferguson	183–189	1	75
Memorial of Arthur E. Seaman. Alfred C. Lane	191–194	1	75
Memorial of Charles H. Smyth, Jr. A. F. Buddington	195–202	1	425
Memorial of William J. Sollas. Sir John S. Flett	203–219	1	75
Memorial of Johannes Walther. W. H. Twenhofel	221–229	1	75
Proceedings of the thirty-seventh annual meeting of the Cordilleran Section of the Geological Society of America. C. A. Anderson, *Secretary*	231–257	..	50
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Proceedings of the joint sessions of Section E of the American Association for the Advancement of Science and the Geological Society of America in 1937. Howard A. Meyerhoff, *Secretary*	299–329	..	50
Certificate of incorporation and code of by-laws	335–348	..	500
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No. 5. Structural behavior of igneous rocks. Robert Balk	177	24	38	1.75
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No. 2. Fossil Crustacea of the Atlantic and Gulf Coastal Plain. M. J. Rathbun	160	26	2	1.25	1500
No. 3. Fossil non-marine Mollusca of North America. Junius Henderson	313	..	..	1.75	1500
No. 4. Nuculid bivalves of the genus *Acila*. Hubert G. Schenck	149	18	15	1.25	1000
No. 5. Geology of Saint John, New Brunswick. A. O. Hayes and B. F. Howell	146	9	4	1.25	1500
No. 6. History of the Grand Canyon of the Yellowstone. Arthur David Howard	159	21	31	1.50	1500
No. 7. Assigned, but not yet published	..	..	..	...	....
No. 8. Middle Devonian corals of Ohio. Grace Anne Stewart	120	20	2	1.25	1000
No. 9. Fossil Snakes of North America. Charles W. Gilmore	96	4	38	.75	1000
No. 10. Stratigraphy and Mollusca of the Eocene of Western Oregon. F. E. Turner	130	22	7	1.25	1000
No. 11. Geology and paleontology of the Mingan Islands, Quebec. W. H. Twenhofel (with A. F. Foerste and M. S. Whiting)	132	24	1	1.25	1000
No. 12. Tertiary flora from the Rio Pichileufu, Argentina. E. W. Berry	150	56	11	1.75	1000
No. 13. Ozarkian and Canadian Brachiopoda. E. O. Ulrich and G. Arthur Cooper	324	58	14	3.25	1000
No. 14. Devonian ammonoids of America. A. K. Miller	262	39	41	2.25	1000
No. 15. Cambrian system (restricted) of the Southern Appalachians. Charles Elmer Resser	140	16	..	1.25	1000
No. 16. Lower Cretaceous deposits in California and Oregon. F. M. Anderson	339	84	3	3.50	1000

Bibliography and Index

General Statement

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Description of the Published Volumes

Volumes	Pages	Price
No. 1. Bibliography and index of geology exclusive of North America. 1933. J. M. Nickles and R. B. Miller	405	$2.00
No. 2. Bibliography and index of geology exclusive of North America. 1934. J. M. Nickles and R. B. Miller	420	1.75
No. 3. Bibliography and index of geology exclusive of North America. 1935. J. M. Nickles, Marie Siegrist, and Eleanor Tatge	408	1.75
No. 4. Bibliography and index of geology exclusive of North America. 1936. J. M. Nickles, Marie Siegrist, and Eleanor Tatge	480	1.75
No. 5. Bibliography and index of geology exclusive of North America. 1937. J. M. Nickles, Marie Siegrist, and Eleanor Tatge	510	2.55

History

General Statement

The Society also has on hand a limited number of copies of the book by Herman LeRoy Fairchild, "The Geological Society of America, 1888–1930; a Chapter in Earth Science History," published in 1932 and containing 232 pages and 18 plates. The edition of this book was 1000 copies. Re-issued in 1933, the edition was 300. Copies may be obtained from the Secretary, the cost being $2.50.

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